

**TRANSPORTATION SUMMIT
INTERNATIONAL COORDINATION**

**SECOND BLUE WATER BRIDGE
PROJECT**

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AGENDA

- PROJECT BACKGROUND
- PROJECT TEAM/PARTNERS
- COORDINATION ELEMENTS
- CONSTRUCTION PHASE
- A NEW LINK TO OLD FRIENDS

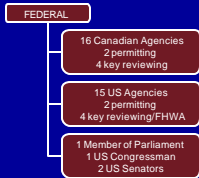
**Second Blue Water Bridge
Project Background**

- Owners: MDOT/BWBA
- 1938: Existing Bridge
- 1983: US Plaza/Bridge EIS
- 1992: Task Force – Bridge
- 1993/1994: Re-evaluate EIS
- 1993/1995: Design
- 1995/1997: Construction
- July 1997: Open to Traffic

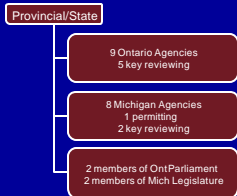
Second Blue Water Bridge Project Team



Second Blue Water Bridge Project Partners



Second Blue Water Bridge Project Partners



Second Blue Water Bridge Project Partners



Second Blue Water Bridge Project Partners



Second Blue Water Bridge Coordination Elements

- **Environmental Process**
 - Meet Canadian Environmental Assessment and Review Process
 - Review/update US1983 EIS/1984 ROD
 - Secure all approvals and permits

Second Blue Water Bridge Coordination Elements

• Environmental Report

- Project Rationale
- Existing Environment
- Public Participation
- Impacts and Mitigation Measures
- First Nations Concerns
- Alternatives
- Selection

Second Blue Water Bridge Coordination Elements

• Engineering Process/Design

- Durability, maintainability and inspectability, constructability, economics, heritage, and aesthetics
- Comparable Bridges
- Design QA
- Pile load tests
- Contractor Information Meeting, Pre-Bid Meeting, Prequalification
- Stand alone Specifications: 1571 pages - QC, QA, AT, & QA focus
- Plan Sheets: 760 pages
- Fabrication Drawings: 2000 pages
- Design/Build Conference
- Load Resistance Factor Design
- Metrics

Second Blue Water Bridge Coordination Elements

• Engineering Process/Construction

- Stand alone Construction Administration Manual
- Main-Flanking Span/Michigan Approach – MDOT Contract Admin w/BWBA providing payment for the Ontario part of M/F Span
- Ontario Approach – BWBA Contract Administration
- Contractor Quality Control
- Engineer Quality Assurance and Acceptance Testing
- Michigan Owner Quality Auditing and Public Information Office
- Noise/vibration mitigation while driving 1,133 H-Piles

Second Blue Water Bridge Coordination Elements

• Construction Process

- Proactive collaboration
- Intergroup Team Building Workshop Mission: "Through teamwork, achieve a quality project on time, within budget."
- Project Workforce and Safety
- US/Canadian customs and immigration services
- US/Canadian Coast Guard Services
- Steel Fabrication: CNC drilling, member fit up, continuous joining, welding plan for knuckle
- Weekly progress meetings with month-long look ahead

Second Blue Water Bridge Coordination Elements

• Customer Focus - Planning/ROW/Design/Construction

- Proactive cooperation and coordination
- Permitting Agencies, Interest Groups, General Public
- Local traffic/non-motorized traffic
- Notification of planning progress, informed feedback
- Selection – Modified Continuous Tied Arch
- Construction Public Information Office
- Milestone celebrations

Second Blue Water Bridge A New Link to Old Friends

- Program Timeline: 12 years => 5 years
- Project Timeline: 17 additional days
- Cost: \$79.6 million => \$80 million (\$82 million budget)
- Quality: 11,000 tons steel w/ 350,000 bolts => minimal misfits & no refabrication
- Inclusive and simultaneous processes throughout

Second Blue Water Bridge
Thank you!

Questions?
